

Patent Application Attorney Docket No.PC11724G EXPRESS MAIL EV654805498US

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(Signature of person mailing) Deanna L. Shields							
(Typed or printed name of person)							
IN THE UNITED STATES PA	TENT	AND TRADEMARK OFFICE					
IN RE APPLICATION OF: Zheng J. Li, et al.	:						
APPLICATION NO.: 10/652,933	:	Examiner: Unknown					
FILING DATE: August 28, 2003	:	Group Art Unit: 1623					
FITLE: CRYSTAL FORMS OF AZITHROMYCIN	:						

Hon. Commissioner for Patents

P. O. Box 1450

Alexandria, VA 22313-1450

ATTN: Technology Center Special Program Examiner

Sir:

PETITION TO MAKE SPECIAL UNDER 37 C.F.R. § 1.102

Applicants hereby request that the present application be made special for accelerated examination under 37 C.F.R. § 1.102 and M.P.E.P. § 708.02 (VIII).

REQUIREMENT OF M.P.E.P. § 708.02 (VIII)(A) - FEE

The commissioner is authorized to charge the fee set forth in 37 C.F.R. 1.17(h) in the amount of \$130.00 to our Deposit Account No. 16-1445 for consideration of the present petition. Therefore, Applicants have satisfied the requirement of M.P.E.P. § 708.02 (VIII)(A).

REQUIREMENT OF M.P.E.P. § 708.02 (VIII)(B) – SINGLE INVENTION

Applicants have concurrently filed a Second Preliminary Amendment canceling all pending claims without prejudice and added new claims 136-145 which are directed to pharmaceutical composition comprising substantially pure Form F and a pharmaceutically

acceptable carrier or diluents. Applicants respectfully submit that new claims 126-145 are directed to a single invention (a copy of new claims 126-145, together with a copy of the PCT claims are enclosed herein). However, if the Patent Office determines that all the claims presented are not obviously directed to a single invention, Applicants will make an election without traverse. Applicants respectfully submit that the requirements of M.P.E.P. § 708.02 (VIII)(B) have been met.

REQUIREMENT OF M.P.E.P. § 708.02 (VIII)(C) - PRE-EXAMINATION SEARCH

M.P.E.P. § 708.02 (VIII)(C) requires the submission of a statement on preexamination search. Applicants note that such requirement can be met by a search made by a foreign patent office if the claims in the corresponding foreign application are of the same or similar scope to the claims in the U.S. application for which special status is requested.

Applicants would like to point out that a search was made by the International Searching Authority/European Patent Office and the claims in the PCT application are of similar scope to the claims in the present U.S. application. For your convenience, a copy of the pending PCT claims is enclosed as well as copies of the PCT search report and the written opinion. Therefore, Applicants have satisfied the requirement of M.P.E.P. § 708.02 (VIII)(C).

REQUIREMENT OF M.P.E.P. § 708.02 (VIII)(D) – COPIES OF THE REFERENCES

The PCT search report cited the following nine references:

Ref. 1	EP 0298650A (Pfizer), January 11, 1989;
Ref. 2	EP 1103558A (Astur Pharma S A), May 30, 2001;
Ref. 3	WO 0100640A (Ludescher Jonannes), January 4, 2001;
Ref. 4	CA 2245398A (Motamedi M), February 21, 2000;
Ref. 5	WO 00 32203A Singer Claude), June 8, 2000;
Ref. 6	CN 1093370A (Jicai Medicine Research Inst B), October 12, 1994;
Ref. 7	Chemical Abstract No. 29525, Vol. 124, No. 3, January 15, 1996:

- Ref. 8 WO 9804574A (Abbott Lab), February 5, 1998; and
- Ref. 9 WO 0014099A (Kim Wan Joo), March 16, 2000.

All of the nine references, including their English translation where the references were published in foreign languages, were cited/submitted to the U.S. Patent Office in the Supplemental Information Disclosure Statement mailed on December 23, 2003. Therefore, the requirement of M.P.E.P. § 708.02 (VIII)(D) was satisfied, as all these references were already cited/submitted to the United States Patent and Trademark Office.

REQUIREMENT OF M.P.E.P. § 708.02 (VIII)(D) - DETAILED DISCUSSIONS

The references cited in the PCT search report were discussed in the enclosed PCT written opinion, a copy of which is enclosed herein. Applicants note that most of the references are related to azithromycin forms other than Form F. In addition, new claims 126-145 are directed to pharmaceutical compositions comprising substantially pure Form F and a pharmaceutically acceptable carrier or diluents. Therefore, Applicants have satisfied the requirement of M.P.E.P. § 708.02 (VIII)(D).

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CONCLUSION

Applicants respectfully submit that the present petition has satisfied all the requirements of M.P.E.P. § 708.02 (VIII)(A), (B), (C), (D) and (E). Accordingly favorable consideration of the present petition is respectfully requested.

It is believed that no fee, other than the \$130 fee set forth in 37 C.F.R. 1.17(h) is deemed necessary in connection with the filing of the present petition. However, if any other fees are required, the Commissioner is hereby authorized to charge any such fees to our Deposit Account No. 16-1445.

Date: 04/29/05

Respectfully submitted,

Lance Y. Liu

Attorney for Applicant(s)

Reg. No. 45,379

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Pfizer Inc.
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Internation No PCT/IB 02/01570

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07H17/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) $IPC \ 7 \ CO7H$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

	C. DOCUMENTS CONSIDERED TO BE RELEVANT						
Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.						
EP 0 298 650 A (PFIZER) 11 January 1989 (1989-01-11) cited in the application page 4 method B	1,2,15						
EP 1 103 558 A (ASTUR PHARMA S A) 30 May 2001 (2001-05-30) page 4; table	1,2,15						
WO 01 00640 A (LUDESCHER JOHANNES ;GARCIA RAFAEL (ES); BIOCHEMIE SA (ES); DIAGO J) 4 January 2001 (2001-01-04) page 10, line 26 - line 28	1,4,5, 8-13						
CA 2 245 398 A (MOTAMEDI M., KARIMIAN K., APOTEX INC.) 21 February 2000 (2000-02-21) whole document	1,4,5, 8-13						
	EP 0 298 650 A (PFIZER) 11 January 1989 (1989-01-11) cited in the application page 4 method B EP 1 103 558 A (ASTUR PHARMA S A) 30 May 2001 (2001-05-30) page 4; table WO 01 00640 A (LUDESCHER JOHANNES ; GARCIA RAFAEL (ES); BIOCHEMIE SA (ES); DIAGO J) 4 January 2001 (2001-01-04) page 10, line 26 - line 28 CA 2 245 398 A (MOTAMEDI M., KARIMIAN K., APOTEX INC.) 21 February 2000 (2000-02-21) whole document						

Y Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "8" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
1 October 2002	1. 10. 02
Name and malling address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016	Authorized officer Klein, D

Internal Application No
PCT/IB 02/01570

· ·		PC1/1B 02/015/0
C.(Continua Category *	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Calogoly	ones. To coourners, mar manazaron, where appropriate, or the relevant passages	neevant to Claim NO.
X	WO 00 32203 A (SINGER CLAUDE ;TEVA PHARMA (IL); ARONHEIM JUDITH (IL); TEVA PHARMA) 8 June 2000 (2000-06-08) cited in the application whole document	1,4,5, 8-13
A K	CN 1 093 370 A (JICAI MEDICINE RESEARCH INST B) 12 October 1994 (1994-10-12) & CHEMICAL ABSTRACTS, vol. 124, no. 3, 15 January 1996 (1996-01-15) Columbus, Ohio, US; abstract no. 29525, abstract	1-15
x	WO 98 04574 A (ABBOTT LAB) 5 February 1998 (1998-02-05) examples	1-15
A	WO 00 14099 A (KIM WAN JOO ;LEE KYOUNG IK (KR); LEE TAE SUK (KR); LEE GWAN SUN (K) 16 March 2000 (2000-03-16) the whole document	

PCT/IB 02/01570

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. X No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1(part), 2, 15

Crystals of azithromycin obtained in non polar solvents: monohydrate monocyclohexane solvate of azithromycin (form D). monomonomethyl tertiobutyl ether solvate of azithromycin (form R).

2. Claims: 1(part), 3, 14

Crystals of azithromycin obtained in the presence of THF: monohydrate monotetrahydrofuran solvate of azithromycin (form E).
monohydrate hemitetrahydrofuran solvate of azithromycin (form Q).

3. Claims: 1(part), 4, 5, 8-13

Crystals of azithromycin consisting in alcohol solvates: Forms F, H, J, M, N, O, P.

4. Claims: 6, 7

Crystals of azithromycin obtained in the sesquihydrate form: (form G).

Information on patent family members

International Application No
PCT/IB 02/01570

					PCI/IB	02/015/0
Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 0298650	A	11-01-1989	WPT AU A A B B C C C C D D D E E F G H H I I I J J J K L M N O P R S S R U Y Z	8900576 44 72446 604553 1883988 98213 47348 1314876 1030422 8804896 1776 271705 3868296 380688 0298650 2038756 900087 3003737 127594 9500738 60354 86979 168879 1038096 1903527 6031300 9006218 10624 12213 225338 8743 87933 107257 27794 8811325 2066324 6268489 132588 8804925	ATBABAAAAADAATAABAAAAAAAABGACBBAAAAABGACBBAAAAABBAAAABBAAAABBAAAABBAAAABBAAAABBAAAA	26-01-1989 27-07-1989 15-02-1992 20-12-1990 12-01-1989 02-08-1999 15-06-1990 23-03-1993 18-01-1989 14-03-1990 20-10-1995 13-09-1989 11-01-1989 01-08-1993 08-01-1990 16-03-1993 25-11-1994 28-11-1995 29-06-1991 08-02-1989 08-02-1995 27-04-1994 25-08-1990 20-04-1995 01-05-1993 26-02-1990 30-10-1993 30-10-1993 31-03-1989 30-06-1989 30-10-1994 31-12-1996 10-09-1996 31-07-2001 28-02-1990 28-02-1990
EP 1103558	A	30-05-2001	EP EP JP PL TR US	1103558 1234833 2001187797 344101 200003474 6451990	A2 A A1 A2	30-05-2001 28-08-2002 10-07-2001 04-06-2001 23-07-2001 17-09-2002
WO 0100640	A	04-01-2001	AU WO EP	5820400 0100640 1189915	A1	31-01-2001 04-01-2001 27-03-2002
CA 2245398	A		NONE			
WO 0032203	A	08-06-2000	AU BG CN CZ EP	3106500 105547 1334735 20011886 1152765	A T A3	19-06-2000 31-12-2001 06-02-2002 17-10-2001 14-11-2001

Information on patent family members

Internation No PCT/IB 02/01570

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 0032203	A		LV	12735 A	20-10-2001
			LV	12735 B	20-03-2002
			PL	347971 A	1 06-05-2002
			SI	20639 A	28-02-2002
			MO	0032203 A	1 08-06-2000
			US	2002007049 A	17-01-2002
CN 1093370	A	12-10-1994	CN	1114960 A	,B 17-01-1996
WO 9804574	Α	05-02-1998	US	5844105 A	01-12-1998
			AU	733646 B2	
			ΑU	3740597 A	20-02-1998
			EP	0915899 A1	19-05-1999
	•		JP	2002514171 T	14-05-2002
			MO	9804574 A1	05-02-1998
WO 0014099	Α	16-03-2000	EP	1112280 A	04-07-2001
			JP	2002524465 T	06-08-2002
			WO	0014099 A1	

PATENT COOPERATION TREATY

From the							
INTERNATIONAL PRELIMINARY EX	AMINING AUTHOR	RITY	PCT				
To: LUMB, Trevor J.							
PFIZER Inc							
201 Tabor Road, Morris	Plains,	MAT 10	WRITTEN OPINION				
New Jersey 07950 ETATS-UNIS D'AMERIQUE			(PCT Puls 45)				
ETATS-ONIS D'AMERIQUE			(PCT Rule 66)				
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		Date of mailing (day/month/year)	0/ /03 /2003				
Applicant's or agent's file reference		-	04/03/2003				
Applicant's or agent's file reference PC11724ABCZ	•	REPLY DUE	within 1 / 00 months/days				
International application No.	International Stine 1		from the above date of mailing				
	International filing da	ite (day/month/year)	Priority date (day month year)				
PCT/ IB 02/ 01570	01/05/2002		22/05/2001				
International Patent Classification (IPC) or	both national classifica	ation and IPC	-				
	C07H17/08						
Applicant							
PFIZER PRODUCTS INC.et	al.						
1. This written opinion is the first drawn u	p by this International	Preliminary Examining	Authority.				
2. This opinion contains indications relating							
I X Basis of the opinion							
II Priority							
III X Non-establishment of opinion	on with regard to nove	Ity inventive sten and in	disease and an alternative to the				
		ity, aivendve step and th	визина аррнеающту				
IV X Lack of unity of invention			•				
	Rule 66 2(a)(ii) with soo						
citations and explanations st	pporting such stateme	nt	step or industrial applicability;				
VI Certain documents cited							
VIII Certain observations on the		מי					
3. The applicant is hereby invited to reply to When? See the time limit indicated about		hafaan aha aa ah a					
			that time limit, request this Authority				
How? By submitting a written reply, a For the form and the language	of the amendments, se	propriate, by amendmen e Rules 66.8 and 66.9.	ts, according to Rule 66.3.				
Also For an additional opportunity to submit amendments, see Rule 66.4.							
For the examiner's obligation to consider amendments and/or arguments, see Rule 66.4bis. For an informal communication with the examiner, see Rule 66.6.							
	, with the examination, ac	c Rule 00.0.					
If no reply is filed, the international preliminary examination report will be established on the basis of this opinion.							
I. The final date by which the international preliminary							
examination report must be established acc	cording to Rule 69.2 is	22/09/2	2003				
ame and mailing address of the IPEA/	7	Authorized officer	EUU3				
European Patent Office	į	Examiner Examiner	The state of the s				
D-80298 Munich Tel. (+49-89) 2399-0, Tx: 523656 6	enmu d						
Fax: (+ 49-89) 2399-4465	cpinu u	(incl. extension of time I	imits)				
		Tel. (+49-89) 2399 282	s /2 3/ 1				

I. Basis of the opinion

The basis of this written opinion is the application as originally filed.

III. Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

If all the additional search fees, which the applicant has been invited to pay, have not been paid, then all the inventions or groups of inventions corresponding to the unpaid fees will not have been searched. This means that the question of whether the claimed invention appears to be novel, to involve an inventive step, or to be industrially applicable has not been and will not be the subject of the international preliminary examination in respect of the claims corresponding to these inventions or groups of inventions (Article 17(3)(a) and Rule 66.1(e) PCT; see also international search report).

IV. Lack of unity of invention

The objection as to lack of unity raised in the international search report is maintained. The reasons for the objection are the same as those indicated in the international search report.

- V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability
- 1. To the extent that the international preliminary examination has been carried out (see item III above), the following is pointed out:
- 2. In light of the documents cited in the international search report, it is considered that the invention as defined in at least some of the claims, which have been the subject of an international search report, does not appear to meet the criteria mentioned in Article 33(1) PCT, i.e. does not appear to be novel and/or to involve an inventive step (see international search report, in particular the documents cited X and/or Y and corresponding claim references).
- 3. If amendments are filed, the applicant should comply with the requirements of Rule 66.8 PCT and indicate the basis of the amendments in the documents of the application as originally filed (Article 34 (2) (b) PCT) otherwise these amendments may not be taken into consideration for the establishment of the international preliminary examination report. The attention of the applicant is drawn to the fact that if the application contains an unnecessary plurality of independent claims, no examination of any of the claims will be carried out.
- NB: Should the applicant decide to request detailed substantive examination, then an international preliminary examination report will normally be established directly. Exceptionally the examiner may draw up a second written opinion, should this be explicitly requested.



AMENDMENTS TO THE CLAIMS

1 - 125. (Canceled).

- 126. (NEW) A pharmaceutical composition comprising substantially pure Form F and a pharmaceutically acceptable carrier or diluents.
- 127. (NEW) The pharmaceutical composition of claim 126, wherein said substantially pure Form F is characterized as containing 2-5% water and 1-5% ethanol by weight in a powder sample.
- 128. (NEW) The pharmaceutical composition of claim 127, wherein said substantially pure Form F is characterized as having a ¹³C solid state NMR spectrum comprising at least one peak with chemical shift of about 179.5 ppm.
- 129. (NEW) The pharmaceutical composition of claim 128, wherein said substantially pure Form F is characterized as having a ¹³C solid state NMR spectrum further comprising a peak with chemical shifts of about 178.6 ppm.
- 130. (NEW) The pharmaceutical composition of claim 129, wherein said substantially pure Form F is characterized as having a ¹³C solid state NMR spectrum further comprising a peak with chemical shifts of about 58.0 ppm.
- 131. (NEW) The pharmaceutical composition of claim 130, wherein said substantially pure Form F is characterized as having a ¹³C solid state NMR spectrum further comprising a peak with chemical shifts of about 17.2 ppm.
- 132. (NEW) The pharmaceutical composition of claim 131, wherein said substantially pure Form F is characterized as having a ¹³C solid state NMR spectrum further comprising a peak with chemical shifts of about 10.1 ppm.
- 133. (NEW) The pharmaceutical composition of claim 132, wherein said substantially pure Form F is characterized as having a ¹³C solid state NMR spectrum further comprising a peak with chemical shifts of about 9.8 ppm.

- 134. (NEW) The pharmaceutical composition of claim 133, wherein said substantially pure Form F is characterized as having a ¹³C solid state NMR spectrum further comprising a peak with chemical shifts of about 9.3 ppm.
- 135. (NEW) The pharmaceutical composition of claim 134, wherein said substantially pure Form F is characterized as having a ¹³C solid state NMR spectrum further comprising a peak with chemical shifts of about 7.9 ppm.
- 136. (NEW) The pharmaceutical composition of claim 135, wherein said substantially pure Form F is characterized as having a ¹³C solid state NMR spectrum further comprising a peak with chemical shifts of about 6.6 ppm.
- 137. (NEW) The pharmaceutical composition of claim 126, wherein said substantially pure Form F comprises 82% or more by weight of form F azithromycin.
- 138. (NEW) The pharmaceutical composition of claim 126, wherein said substantially pure Form F comprises 84% or more by weight of form F azithromycin.
- 139. (NEW) The pharmaceutical composition of claim 126, wherein said substantially pure Form F comprises 86% or more by weight of form F azithromycin.
- 140. (NEW) The pharmaceutical composition of claim 126, wherein said substantially pure Form F comprises 88% or more by weight of form F azithromycin.
- 141. (NEW) The pharmaceutical composition of claim 126, wherein said substantially pure Form F comprises 90% or more by weight of form F azithromycin.
- 142. (NEW) The pharmaceutical composition of claim 126, wherein said substantially pure Form F comprises 94% or more by weight of form F azithromycin.
- 143. (NEW) The pharmaceutical composition of claim 126, wherein said substantially pure Form F comprises 96% or more by weight of form F azithromycin.

- 144. (NEW) The pharmaceutical composition of claim 126, wherein said substantially pure Form F comprises 98% or more by weight of form F azithromycin.
- 145. (NEW) The pharmaceutical composition of claim 126, wherein said substantially pure Form F comprises 99% or more by weight of form F azithromycin.

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CLAIMS

What is claimed is:

- 1. A crystalline form of azithromycin selected from the group consisting of forms D, E, substantially pure F, substantially pure G, H, J, M substantially in the absence of azithromycin dihydrate, N, O, P, Q, and R.
- A crystalline form of azithromycin according to claim 1 wherein said form is form D
 and is further characterized as having a 13C solid state NMR spectrum having a
 peaks with chemical shifts of about 178.1 ppm, 103.9 ppm, 95.1 ppm, 84.2 ppm, 10.6
 ppm, 9.0 ppm and 8.6 ppm.
- 10 3. A crystalline form of azithromycin according to claim 1 wherein said form is form E.
 - 4. A crystalline form of azithromycin according to claim 1 wherein said form is substantially pure form F and is further characterized as having a 13C solid state NMR spectrum having a peaks with chemical shifts of about 179.5 ppm, 178.6 ppm, 58.0 ppm, 10.1 ppm 9.8 ppm, 9.3 ppm, 7.9 ppm and 6.6 ppm.
- 15 5. A crystalline form of azithromycin according to claim 4 wherein said azithromycin comprises 90% or more by weight of form F azithromycin.
 - 6. A crystal form according to claim 1 wherein said form is substantially pure form G and is further characterized as having a 13C solid state NMR spectrum having a peaks with chemical shifts of about 179.5 ppm, 10.4 ppm, 9.9 ppm, 9.3 ppm, 7.6 ppm and 6.5 ppm.
 - 7. A crystalline form of azithromycin according to claim 6 wherein said azithromycin comprises 90% or more by weight of form G azithromycin.
- 8. A crystal form according to claim 1 wherein said form is form H and is further characterized as having a 13C solid state NMR spectrum having a peaks with chemical shifts of about 179.5 ppm, 178.7 ppm, 9.9 ppm, 9.1 ppm, 7.9 ppm and 7.0 ppm.
 - 9. A crystal form according to claim 1 wherein said form is form J and is further characterized as having a 13C solid state NMR spectrum having a peaks with chemical shifts of about 179.6 ppm, 178.4 ppm, 25.2 ppm, 11.5 ppm, 10.0 ppm, 9.3 ppm, 8.1 ppm and 6.8 ppm.

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-35-

- 10. A crystal form according to claim 1 wherein said form is form M substantially in the absence of azithromycin dihydrate and is further characterized as having a 13C solid state NMR spectrum having a peaks with chemical shifts of about 179.6 ppm, 41.9 ppm, 26.0 ppm, 16.3 ppm, 10.3 ppm, 9.6 ppm, 9.3 ppm, 7.7 ppm and 7.1 ppm.
- 5 11. A crystal form according to claim 1 wherein said form is form N and is further characterized as having a 13C solid state NMR spectrum having a peaks with chemical shifts of about 179.6 ppm, 178.7 ppm, 105.6 ppm, 58.1 ppm, 26.0 ppm, 9.9 ppm, 9.4 ppm, 7.9 ppm, and 6.6 ppm.
 - 12. A crystal form according to claim 1 wherein said form is form O.
- 10 13. A crystal form according to claim 1 wherein said form is form P.

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- 14. A crystal form according to claim 1 wherein said form is form Q.
- 15. A crystal form according to claim 1 wherein said form is form R and is further characterized as having a 13C solid state NMR spectrum having a peaks with chemical shifts of about 177.9 ppm, 103.6 ppm, 95.3 ppm, 10.3 ppm, 9.6 ppm, 8.9 ppm, and 8.6 ppm.